



SPRINGFIELD SECONDARY SCHOOL
End-Of-Year Examination 2022
Sec 2 Express

STUDENT NAME			
CLASS		REGISTER NUMBER	

GEOGRAPHY

4 October 2022

1 hour 10 minutes

Candidates answer on the question paper

READ THESE INSTRUCTIONS FIRST

Write your class, index number and name on all the work you hand in.
Write in dark blue or black pen.
You may use an HB pencil for any diagrams, graphs or rough working.
Do not use staples, paper clips, glue or correction fluid.

Section A, B and C

Answer **all** questions.

The number of marks is given in brackets [] at the end of each question or part question.

For Examiner's Use	
Section A	/5
Section B	/10
Section C	/20
Total	/35

Do not turn over this question paper until you are told to do so.

This question paper consists of 7 printed pages.

[Turn Over

Section A: Fieldwork (5 marks)

- 1 Secondary 2 students from Springfield Secondary School conducted a survey to find out how accessible Sengkang Mall is from their homes. Each participant could only select one option for their chosen mode of transport.

Table 1 shows the results of a survey taken from 100 students out of a parent population of 1,500 students. The students were from Secondary 1 to 4 and were taken randomly.

Table 1

Neighbourhood of participants in the survey	Choice mode of transportation to the mall					Total
	LRT + walk	Bus+ walk	Parent's car	Taxi and private hire	Walk to the mall	
Neighbourhood 1	10	10	5	1	4	30
Neighbourhood 2	6	7	3	2	2	20
Neighbourhood 3	17	15	8	10	0	50
Total	33	32	16	13	6	100

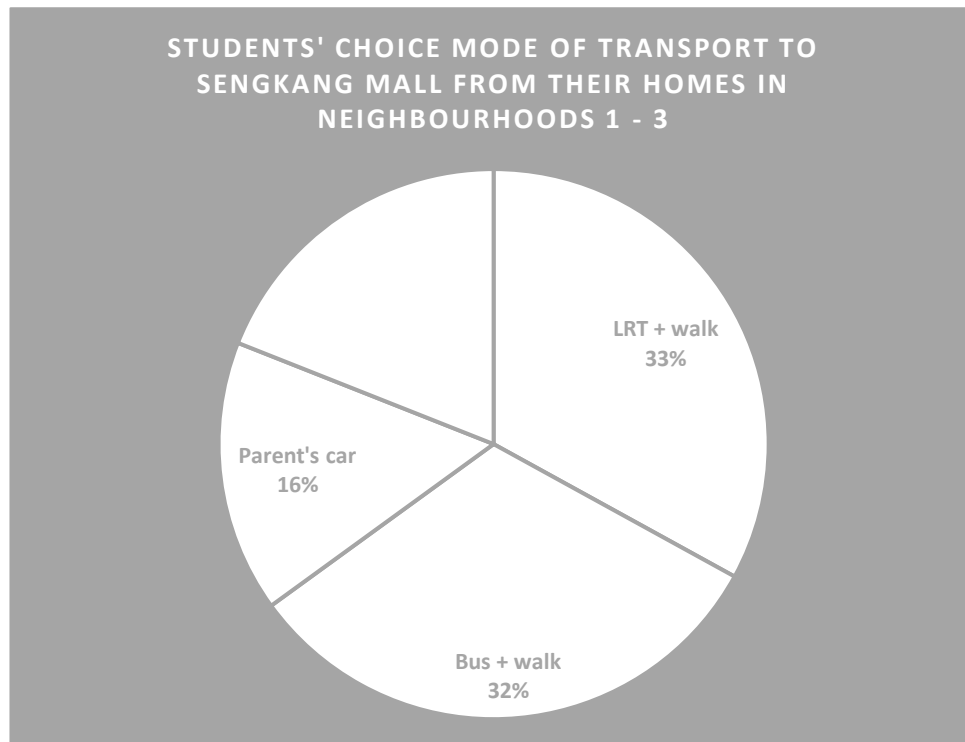


Fig. 1

(a) Based on the survey data collated in Table 1, complete the pie chart of the choice modes of transport to Sengkang Mall from their homes shown in Fig. 1. [2]

(b) With reference to Table 1, which is the most popular mode of transport from Neighbourhood 3 to Sengkang Mall?

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..... [1]

(c) Describe **one** way students can gather secondary data on the different modes of transport available to reach Sengkang Mall from the three neighbourhoods.

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..... [1]

(d) State **one** limitation of the data collection in this investigation.

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..... [1]

Section B: Data Response / Map Work (10 marks)

2 Study Fig. 2 below which shows a topographical map of Randy Shores.

Topographical map of Randy Shores

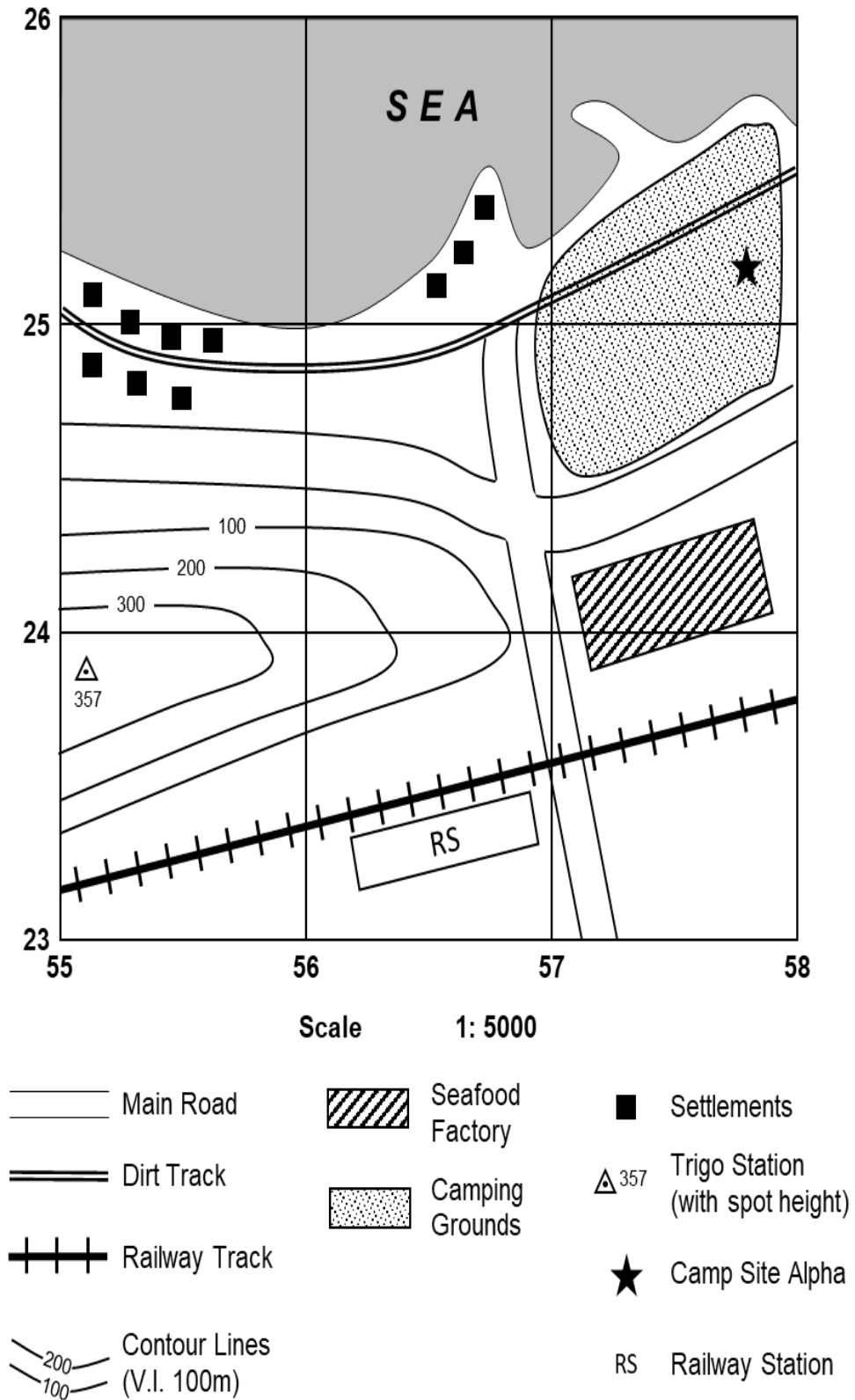


Fig. 2

- (a)** State the compass bearing of the Railway Station from the Seafood Factory.

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..... [1]

- (b)** State the direction of Camp Site Alpha from the Railway Station.

.....
..... [1]

- (c)** State the 6-figure grid reference of Camp Site Alpha.

.....
..... [1]

- (d)** State the height of the highest point in 5523.

.....
..... [1]

- (e)** State a recreational activity that attracts tourists to Randy Shores.

.....
..... [1]

- 3 Fig. 3 shows changes in urban and rural population in Beijing between 1950 and 2050.

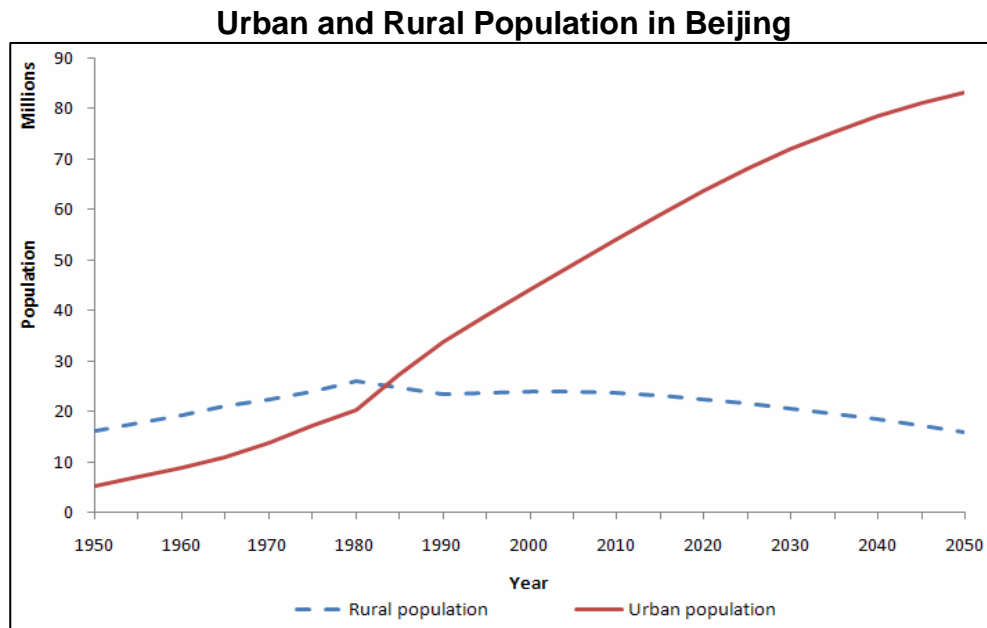


Fig. 3

- (a) Compare the trends in the urban and rural population of Beijing between 1950 and 2050.

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[3]

- (b) Give a reason for the increase in urban population in Beijing.

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[2]

Section C: Structured Questions (20 marks)

- 4 (a)** Define population density and list a country with high population density.

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..... [2]

- (b)** Describe differences between formal and informal housing.

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..... [4]

- (c)** Describe and give an example of how residents can benefit from the presence of amenities in their neighbourhood.

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..... [2]

- (d) Describe where informal housing is usually located in cities. Provide an explanation for why they are located in these places.

[2]

- 5 (a) Describe any **two** indicators of high-quality transport infrastructure and explain how the indicators can be measured.

[4]

- (b) Explain why intermodal connectivity is important in cities.

[2]

(c) Study Fig. 4, which shows a photograph of an expressway in Singapore.



Fig. 4

With reference to Fig. 4, identify the strategy used and describe its effectiveness as a strategy to ease traffic congestion in Singapore.

[4]

Copyright Acknowledgements:

- Fig. 1 -
Fig. 2 <https://www.bbc.co.uk/education/mapskills/>
Fig. 3 <https://ourworldindata.org/grapher/urban-and-rural-population>
Fig. 4 <https://cdn01.vulcanpost.com/wp-uploads/2019/06/ERP1.jpg>

End of Paper